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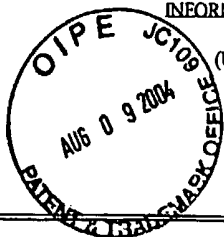
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Serial No 10/770,732

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02/02/2004

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U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
DHS	AA	6	1	5	2	9	8	7		11/28/00	Ma et al.	95	56	
DHS	AB	5	7	3	4	0	9	2		03/31/98	Wang et al.	73	23.25	
DHS	AC	5	6	1	4	0	0	1		03/25/97	Wang Kosaka et al.	96	10	
DHS	AD	4	6	9	9	6	3	7		10/13/87	Iniotakis et al.	55	158	
	AE													
	AF													
	AG													
	AH													
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FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation	
														Yes	No
	AL														
	AM														
	AN														
	AO														
	AP														

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

DHS	AR		U.S. Pat App Pub No. 2003/0190486 to Roa, filed 04/03/2003
DHS	AS		See Attached List of Professional Papers (11) references
	AT		

Examiner

Robert H. Spitzer

Date Considered

December 13, 2004

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



10/770, 732

- 248 (1) Nanostructured thin palladium-silver membranes:
Effects of grain size on gas permeation properties
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Department of Chemical Engineering, University of Cincinnati
Cincinnati, OH 45221-0171, USA
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- 245 (2) A study on the palladium/nickel composite membrane by vacuum
electrodeposition
Seung-Eun Nam, Kew-Ho Lee *
Membranes and Separation Research Center, Korea Research Institute of
Chemical Technology, P.O. Box 107,
Yusung, Taejon 305-606, South Korea
Received 1 June 1999; received in revised form 28 September 1999,
accepted 15 November 1999
- 245 (3) Preparation of a palladium alloy composite membrane supported in a porous
stainless steel by vacuum electrodeposition
Seung-Eun Nam, Sang-Hak Lee, Kew-Ho Lee*
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PO Box 107, Yusung, Taejon 305-606, South Korea
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Stainless-Steel Support
Peter P. Mardilovich, Ying She, and Yi Hua Ma
Dept. of Chemical Engineering, Worcester Polytechnic Institute
Worcester, MA 01609
Min-Hon Rei, China Technical Consulting, Inc., Taipei, Taiwan, R.O.C.
- 245 (5) Fabrication of thin metallic membranes by MOCVD and sputtering
George Xomeritakis, Y.S. Lin*
Department of Chemical Engineering, University of Cincinnati
Cincinnati, OH 45221-0171, USA
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Introduction of a diffusion barrier
J. Shu, A. Adnot, B.P.A. Grandjean *, S. Kaliaguine
Department of Chemical Engineering and CERPIC, Laval University
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- RHS (7) The relationship between intermetallic diffusion and
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b Oregon Graduate Institute, P.O. Box 91000, Portland, OR 97291-1000, USA
H. Zuchner, HA. Schluter T. Rauf, and R. Hergemoller
Institut fur Physikalische Chemie der Universitat Munster, SchloBplatz 4, W-4000
Munster
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palladium - silver alloy membranes
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- RHS (9) Nanostructured palladium membrane synthesis by magnetron sputtering
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Department of Chemical Engineering, Massachusetts Institute of Technology,
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- RHS (10) Properties of Thin Palladium-Films and Their Hydrogen-Permeability
H. Zuchner, HA. Schluter T. Rauf, and R. Hergemoller
Institut fur Physikalische Chemie der Universitat Munster, SchloBplatz 4, W-4000
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- RHS (11) Morphological changes of Pd-Ag membranes upon hydrogen permeation
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